

Title (en)

HYDROCRACKING CATALYST FOR PREPARING VALUABLE LIGHT AROMATIC HYDROCARBONS FROM POLYCYCLIC AROMATIC HYDROCARBONS

Title (de)

HYDROCRACKINGKATALYSATOR ZUR HERSTELLUNG WERTVOLLER LEICHTER AROMATISCHER KOHLENWASSERSTOFFE AUS POLYZYKLISCHEN AROMATISCHEN KOHLENWASSERSTOFFEN

Title (fr)

CATALYSEUR D'HYDROCRAQUAGE POUR OBTENIR DES HYDROCARBURES AROMATIQUES LÉGERS UTILES À PARTIR D'HYDROCARBURES AROMATIQUES POLYCYCLIQUES

Publication

**EP 2629888 B1 20200311 (EN)**

Application

**EP 11834653 A 20111021**

Priority

- KR 20100103540 A 20101022
- KR 2011007877 W 20111021

Abstract (en)

[origin: WO2012053853A2] This invention relates to a hydrocracking catalyst for preparing valuable light aromatic hydrocarbons from polycyclic aromatic hydrocarbons derived from oil, which includes (i) beta-zeolite, (ii) pseudo-boehmite, and (iii) one or more metals selected from among metals of Groups VIII and VIB, and which further includes a cocatalyst component, thereby producing a maximum amount of BTX (Benzene, Toluene, Xylene) from LCO (Light Cycle Oil).

IPC 8 full level

**B01J 29/76** (2006.01); **B01J 29/78** (2006.01); **C07C 4/26** (2006.01); **C07C 15/00** (2006.01)

CPC (source: EP KR US)

**B01J 29/7215** (2013.01 - EP KR US); **B01J 29/7615** (2013.01 - EP KR US); **B01J 29/7815** (2013.01 - EP KR US); **B01J 37/20** (2013.01 - EP KR US); **C07C 4/02** (2013.01 - EP KR US); **C10G 47/20** (2013.01 - EP KR US); **B01J 2229/42** (2013.01 - EP KR US); **C07C 2529/74** (2013.01 - EP KR US); **C07C 2529/76** (2013.01 - EP KR US); **C07C 2529/78** (2013.01 - EP KR US); **C10G 2300/1096** (2013.01 - EP KR US); **C10G 2400/30** (2013.01 - EP US); **Y02P 20/52** (2015.11 - US)

Citation (examination)

- CN 101121144 A 20080213 - CHINA PETROLEUM & CHEMICAL [CN]
- CN 101045207 A 20071003 - CHINA PETROCHEMICAL CORP [CN]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012053853 A2 20120426**; **WO 2012053853 A3 20120621**; CN 103221131 A 20130724; CN 103221131 B 20151209; EP 2629888 A2 20130828; EP 2629888 A4 20150225; EP 2629888 B1 20200311; JP 2013542070 A 20131121; JP 5788987 B2 20151007; KR 101743293 B1 20170605; KR 20120042059 A 20120503; US 2013210611 A1 20130815; US 9283553 B2 20160315

DOCDB simple family (application)

**KR 2011007877 W 20111021**; CN 201180056152 A 20111021; EP 11834653 A 20111021; JP 2013534826 A 20111021; KR 20100103540 A 20101022; US 201113880294 A 20111021